

PROJECT: Midnite Mine Remediation

REPORT NO: 2019-026

OWNER: Newmont/Dawn Mining

OPERATOR: Newmont/Dawn Mining

Summary of Work Activities or Events for this reporting period:

This weekly report provides a summary of Midnite Mine Site (Site) remediation action (RA) construction activities, quality assurance (CQA), quality control (CQC) and engineering activities for the period September 20 - 26, 2019. The Site activities discussed in this weekly report include, but are not limited to: Site Health, Safety, and Security; Community Liaison, Project Meetings, Regulatory Oversight, Site Visitors; Site Mobilization; RA Activities; Project Documentation; and Site Inspections.

The project SharePoint site includes the Project documentation discussed in this report. Access to the project SharePoint site is available at the following link: <https://amcollab.mwhtools.com/sites/midnitemine>

SITE HEALTH, SAFETY, AND SECURITY

MIDNITE MINE HEALTH & SAFETY SUMMARY: Reporting Period September 20 - 26, 2019

FIRST AID INJURY	0	PROPERTY DAMAGE	1
MEDICALLY TREATED INJURY	0	NEAR MISS INCIDENT	0
RESTRICTED WORK INJURY	0	RADIATION PROTECTION PLAN (RPP) – ISSUES REPORTED	0
LOST TIME INJURY	0		

Comments: No injuries occurred during the reporting period. One property damage occurred to a contractor light vehicle due to misjudging the turn radius while maneuvering around the liner laydown at slow speed.

COMMUNITY LIAISON

No issues or concerns were reported or received by Newmont from the Spokane Tribe of Indians Community Liaison Officer. Mobilization notifications were provided to the Tribe during the week.

PROJECT MEETINGS, REGULATORY OVERSIGHT, AND SITE VISITORS

Weekly Progress Meeting:

The Weekly Construction Progress meeting was held at 1000 hours on Wednesday, September 25, 2019 at the on-site conference room and via conference call. Representatives from the following stakeholders attended the meeting in person or via telephone:

- Jacobs
- Dawn Mining Company (DMC)/Newmont Goldcorp
- Stantec
- Ajax
- WME

Meeting Action Items:

- None.

EPA Plan/Document Approvals:

- None.

Regulatory Site Visit(s):

- Gabe Sedberry, Jacobs representing EPA, was on Site September 24.

REMEDIAL WORK ACTIVITIES

Construction:

During the week of September 20 - 26, 2019, the following activities were conducted:

- Haulage and South Pond subgrade preparation activities were performed during day shift on Saturday September 21.
- Continued excavating, hauling and placing low activity/low reactivity material to Pit 4 from the west and north sides of the South Waste Rock Pile (SWRP). Material from SWRP was placed in the Pit 4 Waste Containment Area (WCA)
- The above materials were excavated with either excavator or loader equipment and transported and plug dumped with haul trucks. The plug dumps were leveled with a dozer into lifts not exceeding 10' thick. Table 1 presents the 2019 Pit 4 mass haul material volume.

Table 1 – 2019 Pit 4 mass haul volume estimates

Reporting Period	Truck Loads	Estimated Volume ¹ yd ³
September 20 - 26, 2019	2,849	79,772
2019 Cumulative	71,807	2,010,596

1 - Truck load assumed to be 28 yd³

- Placed Drain Gravel backfill around the Underdrain Dewatering Sump risers verifying verticality of the top of the risers over the base of the risers during the backfill.
- Continued preparation of the South Pond subgrade for liner installation and removing accumulated sediment from the bottom of the pond. Began excavating the South Pond anchor trench. TetraTech/AEG began installing the High Density Polyethylene (HDPE) Secondary Containment Liner on September 23. Excavation of the anchor trench, preparation of the subgrade and liner installation are being performed concurrently to minimize the amount of rework required if a significant rain event were to occur.
- Pit 4 tension crack was measured on September 23. The horizontal distance between movement pins remains at 53.75 inches, indicating no measurable movement.

Stormwater Pollution Prevention Plan (SWPPP)

- Conducted monthly coordination meeting with the preparer of the SWPPP as required by Specification 01570. The meeting was held by conference call and was attended by Ray Plummer (the preparer of the SWPPP) and Justin Moyer (the Certified Erosion and Sediment Control Lead for Stantec).

Spill Prevention, Control, and Countermeasure Activities (SPCC)

- SPCC containments were checked for water accumulation from precipitation events this week and drained of any accumulated water after verification that no oil sheen was present.

Equipment Mobilized/Demobilized and Material Delivered

The following equipment was mobilized to the Site during this reporting period.

- Rental telehandler and skidsteer on September 20.
- Caterpillar CS68B vibratory smooth drum compactor on September 26
- Caterpillar 745C articulated haul truck on September 26

The following equipment was demobilized from the Site during this reporting period.

- Caterpillar 745C articulated haul truck on September 24.

All project owned non-road diesel equipment on Site is US-EPA Tier 4 compliant. On-site rental equipment and subsequent deliveries of rental equipment may be less than Tier 4 and will be assessed at the time of delivery.

Materials:

The following material was delivered to the Site during this reporting period.

- Pea Gravel and Filter Sand for South Pond Leak Detection Sumps and Ballast Tubes

Dust Control and Monitoring

Six dust monitors were operated during construction activities at the locations and for the time intervals listed in Table 2. The Total Suspended Particulate (TSP) action level of 260 micrograms/cubic meter was not exceeded during this reporting period.

Began performing EPA Method 9 visual opacity observations of emissions from stationary sources at the site in accordance with the requirements of the Dust Control and Air Quality Monitoring Plan, Appendix B of the Remedial Action Work Plan (Stantec & WME, 2019).

Table 2 - TSP Dust Monitoring Locations during reporting period September 20 - 26, 2019

Monitor ID	Location Description	Start Date	Status						
			Fri	Sat	Sun	Mon	Tue	Wed	Thurs
ES-1 (stationary)	Midnite Mine Top of Pit 4	04/01/19	D/N			D/N	D/N	D/N	D/N
ES-2 (stationary)	Midnite Mine Southeast Boundary	04/01/19	D/N			D/N	D/N	D/N	D/N
ES-3 (stationary)	Midnite Mine West Boundary	04/01/19	D/N			D/N	D/N	D/N	D/N
ES-4 (roving)	East of the Mid-WRP	08/19/19	D/N			D/N	D/N	D/N	D/N
ES-5 (roving)	Spare								
ES-6 (roving)	East Side of Pit 4	08/13/19	D/N			D/N	D/N	D/N	D/N
ES-7 (roving)	Southwest Side of Area 5	07/12/19	D/N			D/N	D/N	D/N	D/N
ES-8 (stationary)	Spare								
D=Day Shift (6:00 am to 4:30 pm) N=Night Shift (4:00 pm to 2:30 am) E=Environmental conditions (Fog, smoke, pollen, heavy rain, etc.) – No Operation * Equipment malfunction (Battery/Power Supply or Other)									

PROJECT DOCUMENTATION

Project Submittals, Engineering Change Notices (ECNs), Requests for Information (RFIs), Non-Compliance Notifications (NCNs), CQA-CQC Field Acceptance Forms and Other Items received, changed or noted during this time-period are shown in the table below:

Table 3 – CQA Documentation

Project Submittals			
Submittal No.	Title	Submittal Date	CQA Acceptance Date
01018-39.00	2019 3 rd Quarter Progress Survey	9/20/2019	9/25/2019 <i>Pending EPA Review</i>
02594-10.00	McElroy Data Logger 5 Calibration	9/20/2019	9/23/2019 <i>EPA – No Exceptions</i> 9/26/2019
02272-11.00	South Pond Geomembrane Installation AEG Tensiometer Calibration Certificate	9/26/2019	9/26/2019 <i>EPA – No Exceptions</i> 9/26/2019
Project ECNs			
ECN No.	Title	EPA Submittal Date	EPA Response Date
None			
Project RFIs			
RFI No.	Title	CQC Submittal Date	CQA Response Date
2019-017	Request for Modification to South Pond Anchor Trench	9/4/2019	9/5/2019 <i>EPA Approval on</i> 9/20/2019
2019-020	On-Site Monitoring Wells Location Update	9/12/2019	9/13/2019 <i>Pending EPA Review</i>
Project NCNs			
NCN No.	Title	CQA Issue Date	CQC Response Date
None to Date			
CQC-CQA Field Acceptance Forms			
CQC-CQA Acceptance No.	Title	CQC-CQA Issue Date	
SP-01	Subgrade Acceptance for South Pond	9/23/2019	
SP-02	Subgrade Acceptance for South Pond	9/24/2019	
SP-03	Subgrade Acceptance for South Pond	9/25/2019	
SP-04	Subgrade Acceptance for South Pond	9/26/2019	
Other Items			
Item	Title	Comments	
None			

Copies of the updated CQA Logs are located on the project SharePoint site under the 2019 CQA Folder.

SITE INSPECTIONS

Details regarding the four-phase CQA observation/inspection process for each definable work feature are summarized below and are further detailed in the daily CQC/CQA reports that are available on the project SharePoint site.

Preparatory Inspections / Meetings

The South Pond Liner Installation Preparatory Meeting was held Friday September 20th at 9:00 a.m. at the Midnite Mine Conference Room.

Initial Phase Inspections

None during this time-period.

Follow-up Phase and Ongoing Inspections

Daily observations/inspections were performed by CQA during this time-period pursuant to project specifications, design drawings and project documentation for applicable activities shown in the Construction Section of the Remedial Work Activities portion of this report.

Completion Inspections

None

THREE WEEK LOOKAHEAD SCHEDULE

Three Week Lookahead Schedule

A copy of the Three Week Lookahead Schedule is provided as Attachment A.

Report completed and submitted by:

David Lee
Project Construction Director

Attachments

- Attachment A – Midnite Mine 3 Week Lookahead Schedule

Photos of pertinent items are provided below.



Figure 1 – Caterpillar D6LGP dozer track walking and grading South Pond, looking northwest

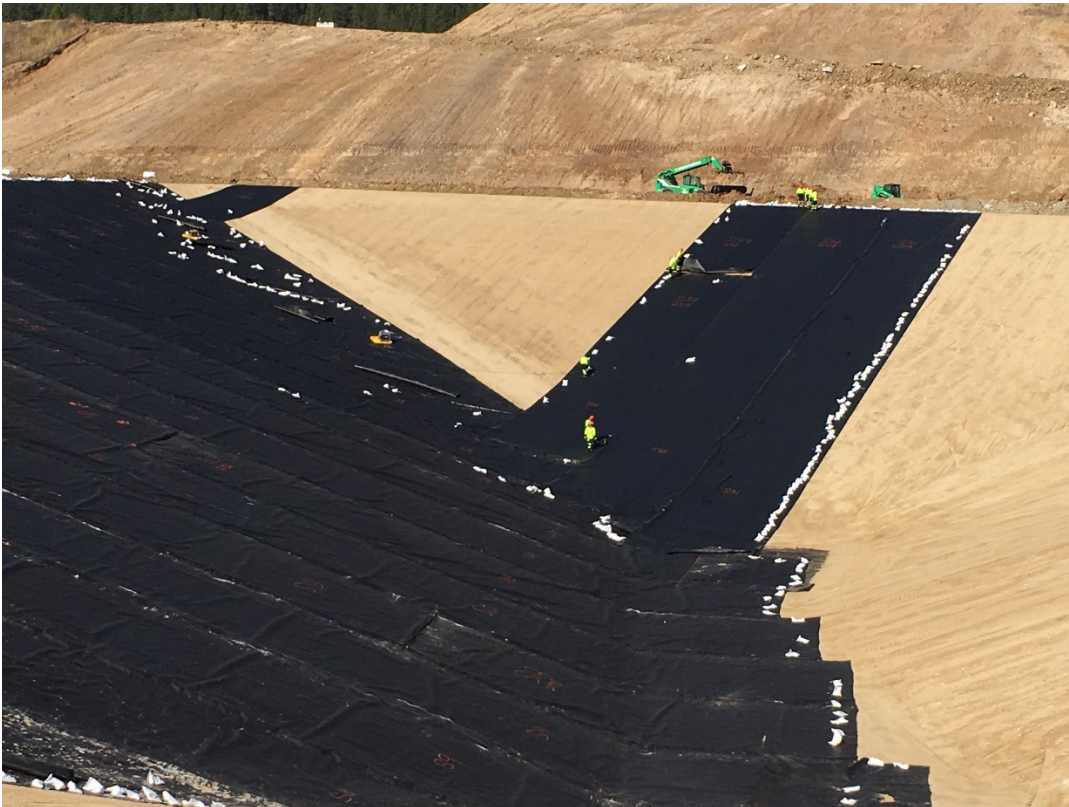


Figure 2 – AEG installing Secondary Containment Geomembrane Liner on the north slope of the South Pond, looking north.

ATTACHMENT A

MIDNITE MINE THREE WEEK LOOKAHEAD SCHEDULE

